

H3

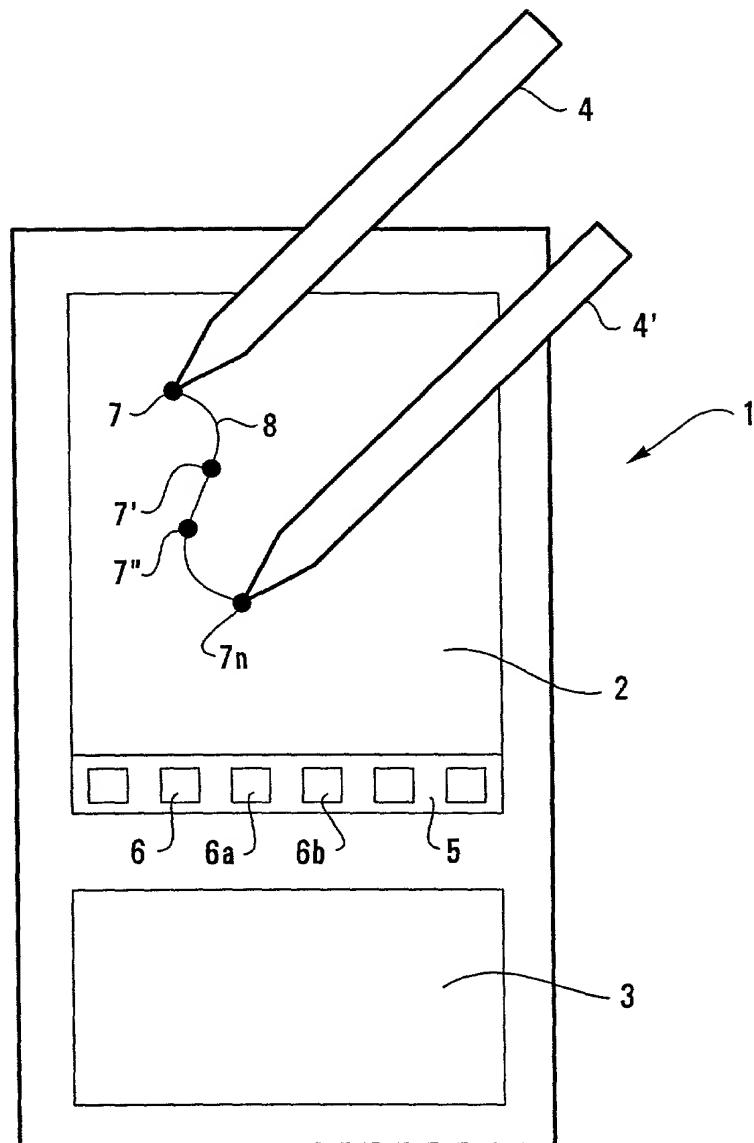


Figure 1

Table 1

Relation	Formula
Linear	$y = m(x-h) + k$
Quadratic	$y = a(x-h)^2 + k$
Circle	$(x - h)^2 + (y - k)^2 = r^2$
Ellipse	$(x - h)^2/a^2 + (y - k)^2/b^2 = 1$
Hyperbola1	$(x - h)^2/a^2 - (y - k)^2/b^2 = 1$
Hyperbola2	$(y - k)^2/b^2 - (x - h)^2/a^2 = 1$
Parabola1	$y = a(x - h)^2 + k$
Parabola2	$(y - k)^2 = c(x - h)$
Exponential1	$y = b \cdot a^x + k$
Exponential2	$y = b \cdot e^{ax} + k$
Logarithmic	$y = b \cdot \ln(a(x - h)) + k$
Power	$y = a(x - h)^r + k$
Sine	$y = b \cdot \sin(a(x - h)) + k$
Cosine	$y = b \cdot \cos(a(x - h)) + k$

Figure 2

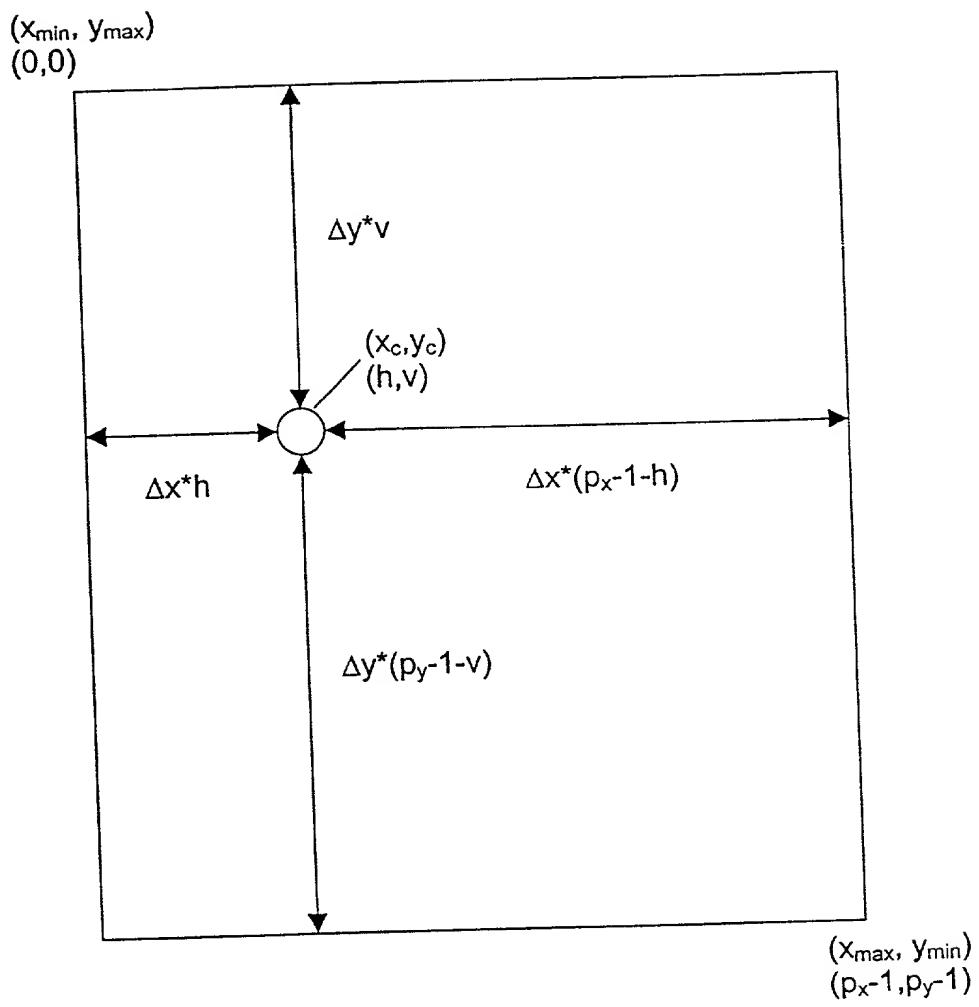


Figure 3

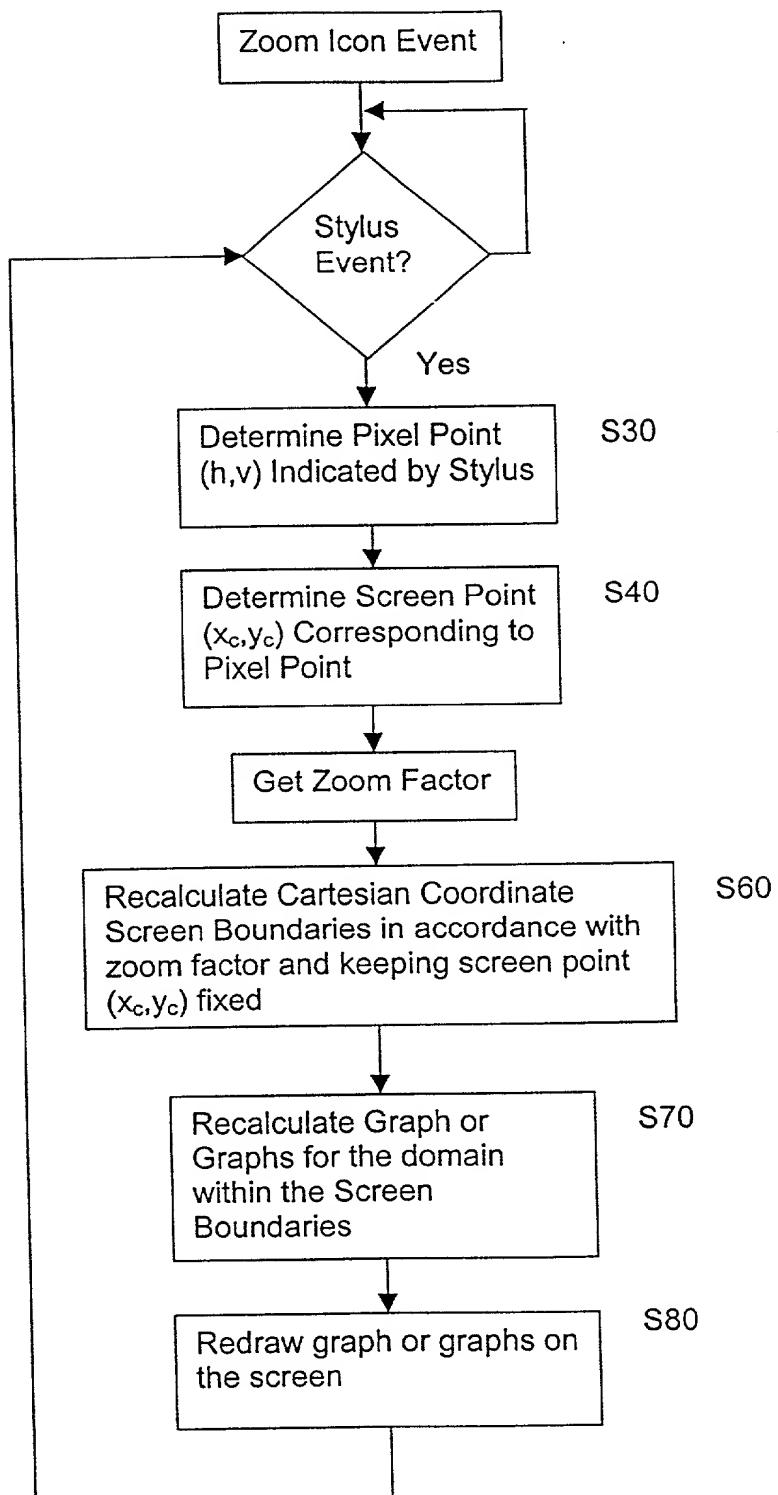


Figure 4

0. User initiates dynamic zoom

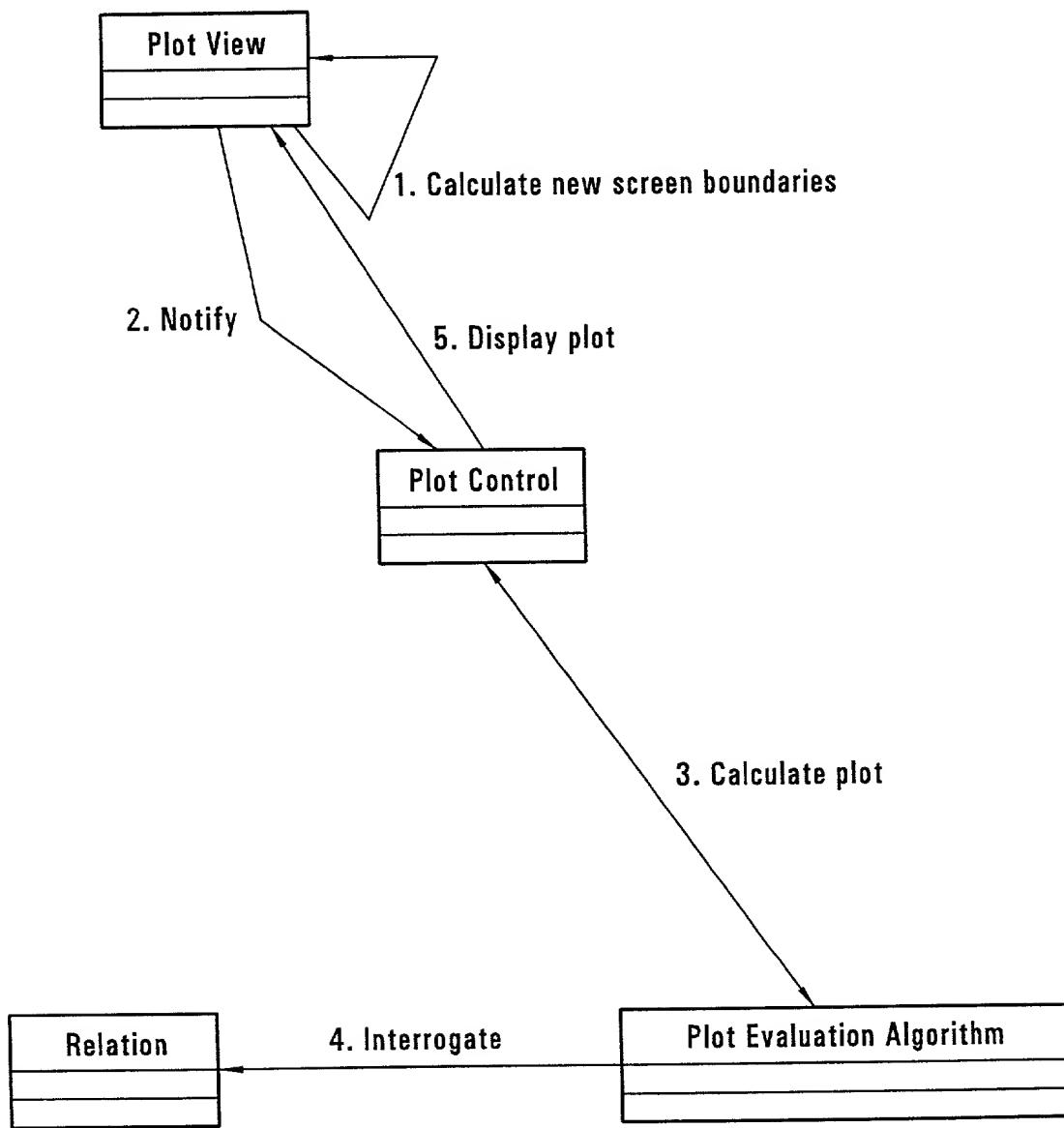


Figure 5

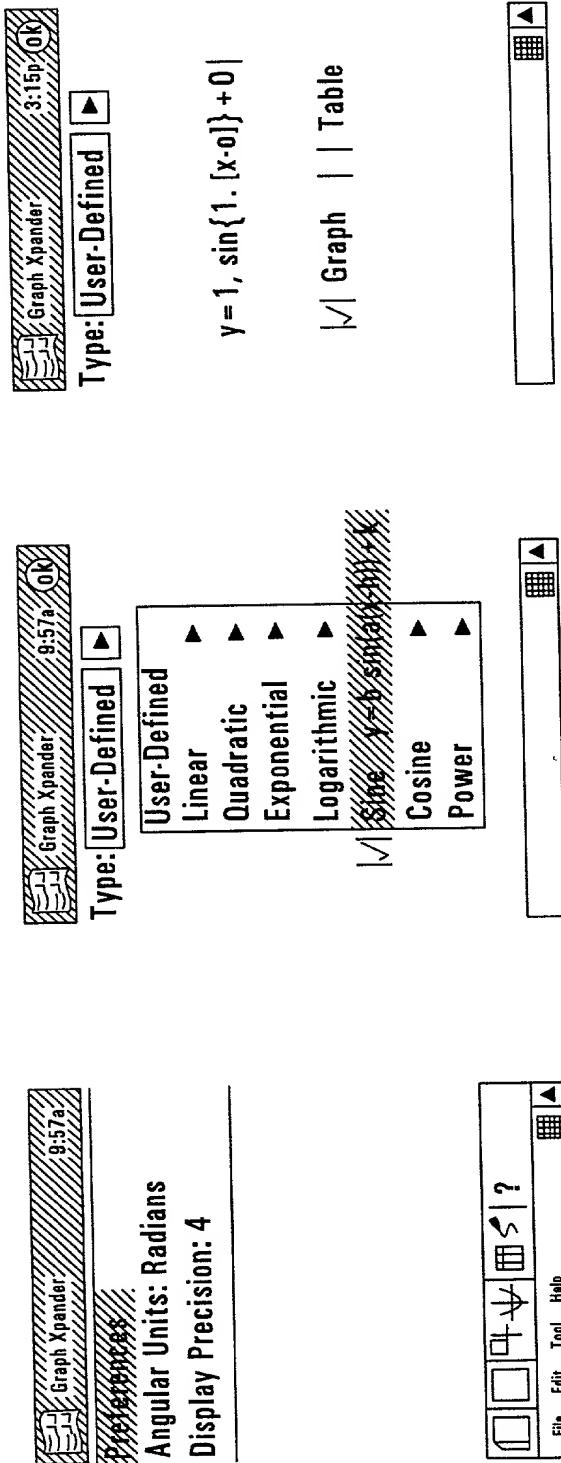


Figure 6

Figure 7

Figure 8

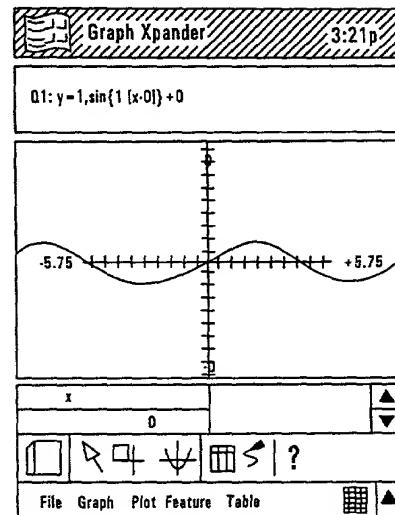
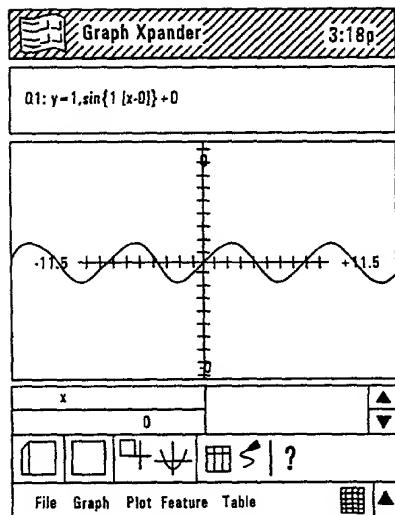


Figure 9

Figure 10

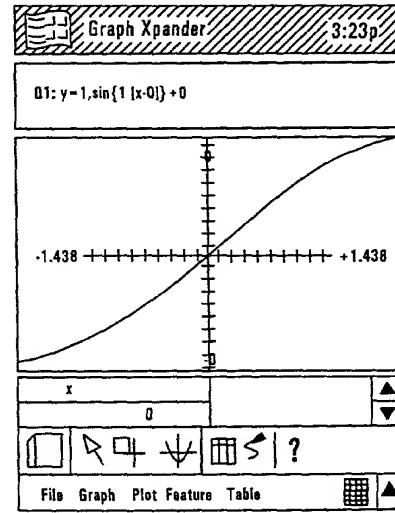
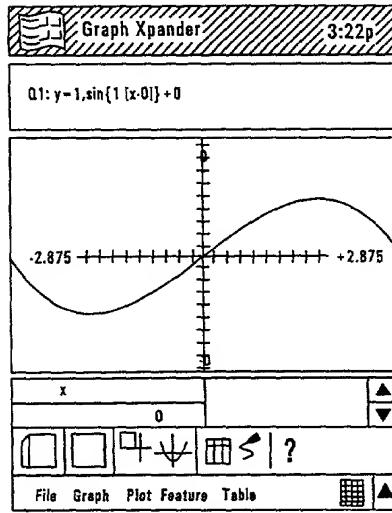


Figure 11

Figure 12